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Sci - Chemistry
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1922-1923, pp 132-198,

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Scientific - Chemistry CTS/DEX

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ACBIL Tr 920

Sci - Chem
May 58

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Action of the Pancreatic Gland, by Ernst
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SLA 59-20759

Sci
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Anhydride I, by F. Vessely, 19 pp.

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NIH Tr 10-20

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Sci - Chem

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Sci - Chem

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IAC INTERNAL USE ONLY

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S.L.A. Tr 57/383

Sci - Chemistry
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R. Klement

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SLA 59-20823

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Mar 60
Vol 3, No 1

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SLA 59-20740

Sci
Feb 60
Vol 2, No 12

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The Uniformity of Insulin Preparations, by
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SLA 59-20739

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Vol 2, No 12

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NIH Tr 10-8

Sci - Chemistry

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Chemie, Vol CXXI, 1932, pp 160-163.

QMT 453

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Scientific - Chemistry

Oct 53 CTS

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chemistry (physical); translations 07D

MN-4 P NSA

Regarding the Synthesis of Dipeptides of Lysine
and Their Behavior in the Presence of Proteolytic
Enzymes, by M. Bergmann, L. Zervas, H. Rinke,
H. Schleish, 13 pp.

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Regarding Dyseptiaes Having Predominant
Acid Properties and Their Enzymatic Behavior,
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NASA TT F-9830

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Sci-B&M
Apr 66

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CIA/FDD XX-326

Sci - Chem

Sep 57

IAC INTERNAL USE ONLY

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Conversion of Coprostanone to Coprosterin,
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1935, pp 125-145.

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Dec 63

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THE COLOR REACTION OF SEX HORMONES AND
ITS APPLICATION FOR QUANTITATIVE COLORIME-
TRIC DETERMINATIONS. [23 Mar 42] 7p 15refs.
Order from SLA \$1.10
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Trans. of Hoppe-Seyler's Zeitschrift für Physiologische
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A partial trans. is available from SLA m\$1.80,
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DESCRIPTORS: *Hormones, Sex glands, *Colorimetry.

(Biological Sciences--Physiology, TT, v. 10, no. 12)

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Office of Technical Services

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Avail. on Loan - BCF, Wash., D.C.

Original Article Checked *MR*

Willstaedt, H. and T. Lindqvist 1936
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die Carotinoide des Serums und der Leber beim Menschen. I.)
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State of Canada for FRBC Halifax Lab., Halifax, N.S.,
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SLA 3222
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Sci - ~~Chemistry~~ Biology 51,426
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SLA 59-20757

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Sci - Med
Jul57

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Particularly in Derivatives of Adenylic Acid, by
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SLP 59-15417

Scientific - Chemistry

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S.L.A. Tr No 57-96

Sci - Biochemistry
Apr 57

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Quantitative Separation of Amino Acids by Exchange
Adsorption on Aluminium Oxide, by T. Wieland,
5 pp.

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Sci - Nucl Sci

Jul 63

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On the Occurrence of Trace Elements, Especially
Uranium, in the Beef Liver and Spleen, by J.
Hoffman.

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(Biological Sciences--Biochemistry, TT, v. 12, no. 1)

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I. Turba, F.
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Hillmann, Günther and Elles, Anneliese.
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L-GLUTAMIC ACID. [1963] 8p. 12 refs.
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Trans. of [Honne, Seyler's] Zeitschrift für
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DESCRIPTORS: *Stereochemistry, *Amino acids,
*Glutamic acid, Racemization, Separation, Hydrogen
compounds, Chlorides, Pyrrolidinone, Carboxylic
acids, Quinine.

(Biological Sciences--Biochemistry, TT, v. 10, no. 6)

63-14564

I. Hillmann, G.
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Office of Technical Services

KABH

Conclusive Determination of the Composition and
Synthesis of Spinacin, by D. Ackermann,
S. Skraup, 6 pp.

GERMAN, pep, Ztschr f Physiol Chem, Vol CCLXXXIV,
1949, pp 129-131.

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The Biogenesis of 3,4-Condensed Pyridine
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Siegried Skraup, Josef Alt, 7 pp.

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NIE 5-15-61

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Observations on the Work of Feulgen, Boguth and
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NIH Tr 88

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CTB/DEX

1. Experiments for Isolation of Kallikrein,

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NIH Tr 10-9

Sci - Chemistry

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Oct 57

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Communication. Monomolecular Films of Monomethylated
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Fretsdorff, Siegfried Heller, 18 pp.

GERMAN, per, Z Physikl Chem, Vol CCLXXXVIII,
No 4-6, 1951, pp 200-215.

SLA 59-10589

Sci
Dec 59
Vol 2, No 5

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NIH TR 79

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Nov
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A Quantitative Method for the Analysis of Serum
Proteins by Paper Electrophoresis, by W. Grassmann,
K. Hannig.

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Trans. No. 70

Sci

May 60

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SIA Tr 3120

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ASLIB-GB 39

Sci
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Investigations on Intermediate Sulfur
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Substrate, by H. Hanson, E. Mantel, 27 pp.

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The Metabolism of Cholic and Desoxycholic
Acid in the Rat, by S. Bergstrom, &
M. Rottenberg, J. Sjovall, 12 pp.

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CTS 70/Jul 55

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On Oxidation Ferments From Higher Plants. II: On
Lipoxidase and Lipodehydrase and Their Mutual
Correlations, by Wilhelm Franke, Helmut Frense,
30 pp.
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Sep 64

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NIH Tr 11-11

Sci - Chemistry
Dec 56 CTS

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Galactosamine by paper Chromatography, by G. F.
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S.L.A. Tr No 57-102

Sci - Biochemistry, analytical
Apr 57

46,879

Catalyzing Action of Cortisone and Other Adrenal
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U.L.A. No 396/1956

Scientific - Chemistry; Medicine

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by D. Kraft, E. Buddocks, G. Weitzel, 19 pp.

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KH Tr No 12-26

Sci - Chemistry.
Feb 1957 CTS/dex

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Information on Amino-terminal Amino Acids in
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11 pp.

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pp 166-172.

SLATA 10-3
MEH 10-3

Scientific - Chemistry
Nov 56 CTS

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Lohmann, D.
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STANCES IN NORMAL AND INCREASED BLOOD
SUGAR (Der Anteil der Restreduktion am Normalen und
Erhöhten Blutzucker). [1961] 6p. 11 refs.
Order from SLA \$1.10

61-16532

Trans. of [Hoppe-Seyler's] Zeitschrift für Physiolo-
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p. 192-195.

DESCRIPTORS: *Blood chemistry, *Blood sugar,
Carbohydrates, Metabolism, Glucose.

I. Lohmann, D.

61-16532

180467

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(Biological Sciences--Biochemistry, TT, v. 6, no. 5)

On the Reactions Occuring in the Grain Boundaries of
Alloys, by L. Graf.

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pp 306-309.

*NTIS TT 72-53151

Aug 72

Microdetermination of Hydroxyproline With Chloro-
amine-T and p-Dimethylamino-Benzaldehyde, by
Hermann Stegemann, 6 pp.

GERMANY, per, Z fur Physiologische Chemie,
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1956, pp 41-45.

SLA 60-14276

Sci
Jan 62

178,276

On the Nature of Milk Modifications in
Technological Drying. I. Also a Contribution to
the Alimentary Liver Necrosis of the Rat, by
Herman Fink, Gunther Brenner, 3 p.

GERMAN, *per*, *Physiologische Chemie*, 1958, Vol CCCIX,
No. 46, pp 226-227

SLA 59-17092

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Jan 60

Vol 2, No 1

105,487

Method for an Improved Electrophoretic Separation of Proteins and Peptides, by E. Granzer,

GERMAN, per, Z fur Physiol Chem, ~~XVI~~ ^{XVI} 311,
1958, pp 46-53.

CSIRO

Sci - Chem
Oct 61

171, 374

Micro-Determination of Amide Nitrogen,
Particularly in Proteins, by H. Stegemann.

GERMAN, per, Z fuer Physiol Chem, (Hoppe
Seyler), Vol CCCXII, No 4/6, 1958, pp 255-263.

CSIRO Tr-4662

Sci - Chem

118,537

Jun 60

Dec 61

Studies on the Biosynthesis of Proteins, III. On
the Composition and Structure of Ribosomes,
W. Zillig, W. Kronen, M. Albers.

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NTH 8-4-61

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Sci - Med

Dec 61

Bio Lab T-589-1

R-9030-D
21 Dec 67

Papierchromatographische Analyse von Plasminogenen

By: M. H. Hack und V. J Ferrans

From: Z. Physiol Chem 315:157-162, 1959

(6 pp)

German - est for wis:

Please translate and type 1 camera ready copy.
Please make cover as sample attached. T-589-1.
Document can be cut.

Studies on Protein Biosynthesis, I. On
Incorporation of C^{14} -Labeled Amino Acids Into
Protein of Cellfree Nucleoprotein Enzyme Systems
From Escherichia Coli B., by D. ~~SEITZ~~
Schachtschabel, W. Zilling, 11 pp.

GERMAN, per, Z Physiol Chem, VOL CCCKIV,
1959, pp 262-275.

NIE 2-30-62

191,468

Sci - Med

Ann 62

TT-63-20977

Thomas, Karl, Stalder, Karlheinz, and Stegemann,
Hermann.

METABOLISM EXPERIMENTATION WITH EPSILON
AMINO CAPRONIC ACID. [1963] 6p 13 refs
Order from SLA \$1.10

TT-63-20977

Trans. of [Hoppe-Seyler's] Z[schrift für] Physiologi-
sche] Chem[ie] (West Germany) 1959, v. 317, p. 276-
280. (Abstract available)

DESCRIPTORS: *Metabolism, *Amino acids, Adipic
acids, Decomposition

After feeding epsilon amino capronic acid there was
found in the urine, apart from an portion of the fed
amino acid which was excreted in unchanged form,
gamma amino butyric acid (which is not normally found
in the urine), as well as approximately 1% of the
adipinic acid stoichiometrically possible. The disinte-
(Biological Sciences--Biochemistry, TT, v. 11, no. 5)
(over)

1. Title: E-Aminocaproic acid
- I. Thomas, K.
- II. Stalder, K.
- III. Stegemann, H.

Office of Technical Services

Studies of the Arterial Wall. V. The
Preparation and Chemical Composition of the
Mucopolysaccharides of the Human Aorta,
by Buddecke, Eckhart, 37 pp.
GERMANY, per, Zeit Physiol Chem, Vol 318,
No 1/2, 1960, pp 33-55.
SLA TT-64-20033

Sept 66

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Mechanism of Glyconeogenesis After Oral Administration
of Cortisol Hydrocortisone, by R. J. Hubener.
GERMAN, per, Z fuer Physiologische Chemie, Vol CCCXXII
1960, pp 135-141.
NASA TT F-9073

Sci-Biol & Med
Nov 64

U.S. GOVERNMENT ONLY

262,9320

The Quantitative Enzymatic Dehydrogenation of
L(+)- Lactate For Micro-Analysis, by G. Gercken.

GOVERNMENT USE ONLY

GERMAN, per, Zeitschrift für Physiologische
Chemie, Hoppe Seyler, Vol 320, 1960,
pp 180-186.

NASA TT F-11,812

Sci
Dec 68

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Eberwein, H., Gries [F. A.] and Decker [Karl].
DECOMPOSITION OF NICOTINE BY BACTERIA EN-
ZYMES. II. ISOLATION AND CHARACTERIZATION
OF A NICOTINE-DECOMPOSING SOIL BACTERIA.
[1962] 17p.
Order from K-H 521.25

Trans. of Hoppe-Seyler's Zeitschrift für Physiolo-
gische Chemie (West Germany) 1961, v. 323,
p. 236-248.

DESCRIPTORS: *Nicotine, Decomposition, *Bacterial,
*Enzymes.

(Biological Sciences--Biochemistry, TF, v. 9, no. 1)

62-34419

63-16889

- I. Eberwein, H.
- II. Gries, F. A.
- III. Decker, K.
- IV. Title: Isolation ...
- V. K-H-11037
- VI. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

63-16984

Decker, Karl, Gries, F. Arnold and Brümmler, Margaret.
DECOMPOSITION OF NICOTINE BY BACTERIA ENZYMES. III. METABOLISM STUDIES ON CELL-FREE EXTRACTS. [1962, 26]p. 17 refs.
Order from SLA \$2.60

63-16984

Trans. of Hoppe-Seyler's Zeitschrift für Physiol[ogische] Chemie [West Germany] 1961, v. 323, p. 249-253.
Another trans. is available from K-H \$31.25 as K-H 11547-b [1962] 25p.

DESCRIPTORS: Decomposition, *Nicotine, *Bacteria, Enzymes, Metabolism, Bacterial extracts.

A soluble enzyme extract from *Arthrobacter oxydans* breaks down nicotine in 3 oxidative steps. The reaction conditions and cofactor requirements for this system (Biological Sciences--Biochemistry, TT, v. 10, no. 7)
(over)

- I. Title: *Arthrobacter*
- I. Decker, K.
- II. Gries, F. A.
- III. Brümmler, M.
- IV. Title: Metabolism . . .

Office of Technical Services

63-16657

Gries, Arnold, Decker, Karl, and
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DECOMPOSITION OF NICOTINE BY BACTERIA
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NICOTINE TO [(γ-METHYLAMINOPROPYL)-(6-HYDRO-
XYPYRIDYL-(3)] Ketone. [1963] 19p. 16 refs.
Order from SLA \$1.60

63-16657

Trans. of Hoppe-Seyler's Zeitschrift für Physiol-
[ogische] Chemie (West Germany) 1961, v. 323,
p. 229-241.

DESCRIPTORS: Decomposition, *Nicotine, Bacteria,
*Enzymes, Hydroxides, Methyl radical, Amines, Pyri-
dine derivatives, Ketones, Spectroscopy.

See also 63-16984

(Biological Sciences--Biochemistry, TT, v. 10, no. 9)

1. Title: Arthrobacter
 2. Title: [(γ-Methylamino-
propyl)-(6-hydroxypyridyl-
(3)] ketone
 3. Title: 1-6 Hydroxynicotine
- I. Gries, A.
II. Decker, K.
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